

CLIMATOLOGICAL DATA FOR JANUARY, 1912.

DISTRICT No. 1, NORTH ATLANTIC STATES.

WILFORD M. WILSON, District Editor.

GENERAL SUMMARY.

The month of January, 1912, stands almost unequalled in its remarkable records of low temperature so widespread, so long continued, and in so great contrast with the conditions of the preceding month. The great change from the prevailing weather of December made the cold of January very keenly felt. Much suffering, and in some cases death, resulted from the severe weather, as well as interruption to many occupations. One of the most important effects of the prolonged cold weather was that the waters in the rivers and bays in the southern part of the district became so chilled or frozen as to greatly handicap, if not suspend, navigation, fishing, and oystering. On the other hand, the continued low temperatures were evidently much more favorable to good health than the mild weather of some winters, judging from the general absence of reports of epidemic illness.

The month was one of generally deficient precipitation, though stormy weather was of frequent occurrence. In the southern States of the district there was more than the usual amount of cloudiness, and, on the whole, the weather was rather unfavorable. Snowfall was abundant in practically all sections, and there was but little thawing. Only a few localities received less than 10 inches of snow during the month.

The following table presents the leading features of meteorological interest for the several sections of the district:

States or parts of States within district No. 1.	Temperature.				Precipitation.				Average number of—	
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest total.	Least total.	Rainy days.	Clear days.
New England.....	15.2	-6.9	55	-39	3.07	-0.55	6.44	1.36	11	12
New York.....	15.3	-8.1	58	-36	1.95	-1.11	4.27	0.79	10	12
Pennsylvania.....	18.3	-9.0	56	-35	1.62	-1.45	2.94	0.47	10	9
New Jersey.....	22.3	-7.5	58	-32	2.82	-0.99	4.62	1.73	13	8
Maryland, Delaware, and District of Columbia.....	24.4	-8.1	60	-27	2.70	-0.21	4.40	1.42	10	11
West Virginia.....	22.6	-8.4	60	-30	1.70	-1.42	3.41	1.10	8	6
Virginia.....	25.9	-7.1	65	-25	2.57	-0.07	4.39	1.69	9	9

TEMPERATURE.

Throughout the district the month was one of the coldest ever known, rivalling, if not surpassing, the remarkably cold months of January, 1875, February, 1899, January, 1893, and January, 1904. The mean temperature for the month ranged from 2.2° at Madison, Me., to 33.4° at Eastville, Va. There was a remarkably uniform deficiency in the temperature that amounted to about 6° daily along the coast and to about 9° daily at places in New York and Pennsylvania near the western border of the district.

The average temperature for the district was only 20.6° , which is about 8° below the normal and more than 15° less than the average temperature for the preceding month. The weather was continuously cold in the northern States with hardly any days much above the normal in temperature, but in the southern part of the district it was somewhat more changeable and there was a greater number of well-defined cold waves. A period of 14 or 15 days, beginning about the 4th, was especially noteworthy, having, in practically all sections, an average temperature 15° to 20° below the normal. The week beginning with the 24th also was an unusually cold period. All parts of the district experienced a large number of days with exceptionally low temperatures. In the New York section there were 22 stations where temperatures of zero or below occurred on at least 10 days. There were 19 days with zero weather at Indian Lake, N. Y., and 18 at Liberty and Little Falls, N. Y.

The coldest days were the 13th, 14th, and 26th. The cold wave of the 13th and 14th was the most severe in all parts of the district that has occurred for at least eight years, and in many sections it produced temperatures lower than any previously recorded since the beginning of the climatological service. Its extent was no less remarkable than its intensity, for as far south as the uplands of northern Virginia the temperature fell to -25° , while the lowest temperatures recorded in Pennsylvania, New York, and New England were, respectively, -35° , -36° , and -39° . Doubtless the temperature fell to -40° or lower at numerous places within these States. At 19 stations in Maryland and Delaware the minimum temperature for the month was the lowest ever recorded, the records covering 8 to 22 years.

The warmest days were the 1st, 18th, 19th, and 23d, but temperatures of 50° or above were observed at few stations, except in New Jersey and the States south of Pennsylvania, and there was comparatively little thawing weather even in these sections. As far south as Millsboro, Del., there was only one day with a minimum temperature above freezing. The highest temperature recorded in the district was 65° at Warsaw, Va., on the 19th.

PRECIPITATION.

The average precipitation for the district was about 2.35 inches, which is more than three-fourths of an inch less than the normal. The average amount was less than 2 inches in New York, Pennsylvania, and West Virginia, and greater than 3 inches only in the New England section. The unfavorable conditions that might result from so great a deficiency in precipitation were largely prevented by the continued cold weather, which proved effective in conserving the soil moisture.

The total precipitation for the month was greatest over the coast regions of Massachusetts, New Hampshire, and Maine, where it was generally above 4 inches, and decreased toward the interior. The region east of the

Chesapeake Bay also received an average precipitation of 4 inches or more. In the entire district there were only 37 stations reporting more than the normal amount of precipitation, and most of these were near the coast. Only 1 station, Provincetown, Mass., reported more than 6 inches of precipitation for the month, but at 3 stations in New York and 6 in Pennsylvania the total amount was less than 1 inch. The least recorded at any station was 0.47 inch at Center Hall, Pa.

Throughout the month snow or rain occurred at frequent intervals, such as are common in January, and there were no prolonged periods of either stormy or fair weather. The dates of the heaviest and most extensive precipitation were the 5th, 9th, 12th, 15th, 19th, 23d, 26th, and 29th.

SNOWFALL.

Although there were but few instances of heavy rains or snows, the month's precipitation presented some noteworthy features. Owing to the prevailing low temperatures, the snowfall was greater than usual in nearly all parts of the district, there being scarcely any precipitation in the form of rain in the coldest sections. In Virginia there were from 8 to 17 inches of snowfall during the month, while in large parts of the northern States the snowfall averaged from 6 to 10 inches a week, the total for the month in some instances exceeding 45 inches. The coast regions of southern New Jersey, Delaware, Maryland, and Virginia, which are usually exempt from heavy snowfall, received from 8 to 20 inches. The amount of snow that remained unmelted was sufficient for excellent sleighing during most of the month southward to the interior of New Jersey and Maryland.

In the southern States of the district there were several sleet storms of a damaging character. In some sections these storms were in the form of rain that froze on the surface and produced a coating of ice. This became a source of danger on streets and highways and greatly injured fruit trees.

RIVER CONDITIONS.

There was little fluctuation in the river stages, the water level remaining near or below the January normal throughout the month. Except in the extreme southern part of the district, the streams were mostly frozen during the month, those of the Susquehanna system being generally icebound after the 5th, and those of the lower Delaware system after the 10th. In the tide-water portions of the Hudson, Delaware, and other large rivers, as well as in many of the bays and sounds, there were often large quantities of floating ice that impeded traffic and almost entirely prevented the operation of small craft.

On the 15th of the month rivers and harbors were packed with ice to such an extent that it was found necessary to dispatch revenue cutters to points of danger to bring relief to seamen and threatened vessels. In the Bay of Islands on the coast of Maine, press reports say that no less than 30 fishing vessels were icebound with cargoes of herring valued at \$500,000. Situations of great danger were reported in other places also, particularly on the lower Hudson River.

SUNSHINE.

The percentage of the possible sunshine was greater than usual in the northern, and less than usual in the southern part of the district. In West Virginia the average number of clear days was only 6, and in Virginia 9, while it was 12 in New York and New England. At Eastport, Me., Harrisburg, Pa., and Washington, D. C., the percentages of the possible sunshine were 29, 40, and 35, while at New York, N. Y., New Haven, Conn., and Hartford, Conn., they were nearly 60, the average daily sunshine at these places being but slightly less than 6 hours. The percentage of the possible sunshine for the district averaged 50, which is the highest percentage since September, 1911.

TABLE 1.—Climatological data for January, 1912. District No. 1, North Atlantic States.

TABLE 1.—Climatological data for January, 1912. District No. 1—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.		
<i>New York.</i>																			
Addison.....	Steuben.....	1,000	22	17.2	-7.6	53	18	-24	13	37	0.89	-1.27	0.18	4.8	12	13	7	11	sw.
Albany.....	Albany.....	97	91	15.0	-7.5	43	19	-16	14	32	1.10	-1.49	0.46	9.1	11	10	11	10	nw.
Amsterdam.....	Montgomery.....	277	8	11.0	-7.5	41	19	-18	14	35	1.89	-1.23	0.46	19.0	11	11	8	12	w.
Athens.....	Greene.....	90	10	16.6	-7.5	39	19	-25	26	34	1.35	-1.23	0.53	8.2	5	14	8	9	n.
Balston Lake.....	Saratoga.....	400	8	11.3	-7.5	39	19	-12	14	33	2.09	-1.58	0.35	11.5	12	15	5	11	w.
Bedford.....	Westchester.....	450	21	19.4	-8.6	50	23	-12	14	33	1.54	-1.58	0.77	10.5	7	19	11	1	nw.
Beerston.....	Delaware.....	0	13.0	-	45	18	-23	12	43	1.54	-	0.40	8	13	5	13	1	6	nw.
Binghamton.....	Broome.....	875	21	16.1	-7.0	48	18	-20	13	39	1.29	-0.69	0.31	10.1	15	1	6	24	w.
Bouckville.....	Madison.....	1,350	15	12.0	-7.2	41	19	-24	13	31	2.18	-1.40	0.30	18.0	13	2	13	13	nw.
Boyd's Corners.....	Putnam.....	560	30	-	-	-	-	-	-	2.05	-1.90	-	-	-	-	-	-	-	Thomas Manning.
Carmel.....	do.....	500	20	14.8	-9.8	44	23	-16	14	36	1.88	-2.06	0.52	10.5	13	10	6	15	Do.
Chatham.....	Columbia.....	470	11	15.4	-7.7	44	19	-16	14	33	2.19	-0.40	0.57	13.4	11	14	7	10	n.
Cooperstown.....	Otsego.....	1,250	58	11.2	-9.0	45	18	-30	13	41	1.93	-0.70	0.55	18.9	9	19	11	1	Morton R. Tank.
Corinth.....	Saratoga.....	542	10	-	-	-	-	-	-	2.69	-	0.51	-	10	-	-	-	-	Miss Elizabeth C. Kees.
Cortland.....	Cortland.....	1,129	50	15.4	-7.1	46	18	-20	13	31	1.92	-0.70	0.37	11.3	5	15	6	20	A. M. Hollister.
Cutchogue.....	Suffolk.....	32	13	24.4	-5.8	50	19	0	13	33	3.26	-0.64	1.42	10.0	9	10	18	3	F. G. Boker.
De Ruyter.....	Madison.....	1,300	9	12.6	-8.3	41	18	-28	13	38	1.77	-1.19	0.46	16.7	14	18	0	13	William A. Fleet.
Easton.....	Washington.....	22	-	-	-	-	-	-	-	1.29	-1.13	0.43	15.5	7	-	-	-	B. D. Crandall.	
Glens Falls.....	Warren.....	340	21	11.0	-8.6	39	19	-23	28	32	1.81	-1.06	0.50	17.0	13	16	2	13	H. Taber.
Gloversville.....	Fulton.....	850	20	10.2	-8.2	37	19	-22	13	25	2.75	-0.51	0.82	26.0	5	10	11	10	Prof. C. L. Williams.
Greenfield Center.....	Saratoga.....	314	14	10.4	-9.4	39	19	-23	13	31	1.83	-1.75	0.57	16.2	9	24	6	1	W. L. McLean.
Greenwich.....	Washington.....	425	15	12.2	-8.3	44	19	-18	13	28	1.24	-0.59	0.43	31.5	10	-	-	-	S. E. Darow.
Griffin Corners.....	Delaware.....	2,260	12	-	-	51	18	-24	14	-	1.83	-0.49	0.45	-	-	-	-	-	Homer J. Whitcomb.
Haskinville.....	Steuben.....	17	-	-	-	-	-	-	-	2.08	+0.11	1.10	20.8	7	-	-	-	Harold O. Judd.	
Hoosick Falls.....	Rensselaer.....	410	10	-	-	-	-	-	-	2.23	-	0.98	14.5	14	21	4	6	W. G. Collins.	
Indian Lake.....	Hamilton.....	1,705	13	7.1	-9.1	36	19	-36	26	51	1.91	-0.98	0.65	16.7	8	17	3	11	Sanford L. Cluett.
Jeffersonville.....	Sullivan.....	1,240	9	14.5	-43	18	2	-25	14	46	1.13	-	0.37	8.0	8	13	13	5	Lester Severe.
Liberty.....	do.....	2,300	30	11.6	-10.0	40	20	-12	13	40	1.12	-1.71	0.42	13.5	5	12	1	18	Chas. Wilflet, Jr.
Little Falls.....	Herkimer.....	924	14	10.7	-9.2	41	19	-19	13	28	1.43	-0.92	0.26	23.0	13	13	8	10	Dr. H. M. King.
Mohonk Lake.....	Ulster.....	1,245	16	15.2	-8.8	44	19	-13	13	27	0.79	-2.17	0.49	13.0	5	7	11	13	O. J. Demster.
Morehouseville.....	Hamilton.....	1,697	4	10.5	-	41	19	-29	26	44	3.27	-	0.57	25.0	12	19	4	8	A. K. Smiley.
Morrisville.....	Madison.....	1,325	0	13.6	-	44	18	-22	13	41	2.50	-	0.30	25.0	12	9	13	9	Teoh. C. Remonda.
Mount Hope.....	Westchester.....	209	15	21.7	-6.5	50	19	-8	13	28	1.70	-2.13	0.70	10.0	6	3	19	9	Prof. I. M. Charlton.
Newark Valley.....	Tioga.....	825	25	-	-	-	-	-	-	1.29	-1.14	0.43	10.5	8	4	7	20	W. A. Cornelius.	
New Berlin.....	Chenango.....	5	-	-	-	-	-	-	-	1.69	-	0.41	9	9	6	8	16	M. D. Clinton.	
New Lisbon.....	Otsego.....	1,234	22	11.8	-8.0	45	18	-32	13	44	1.87	-0.52	0.48	14.0	9	5	7	19	Roger Greene.
New York City.....	New York.....	314	87	23.5	-6.7	52	19	-3	13	36	1.86	-1.93	0.77	9.0	15	8	9	14	G. A. Yates.
North Creek.....	Warren.....	1,002	4	10.0	-	38	2	-28	26	42	1.91	-	0.72	18.5	6	12	6	13	U. S. Weather Bureau.
Northville.....	Fulton.....	742	10	-	-	-	-	-	-	2.71	-	0.90	22.0	10	-	-	-	W. G. Keuwell.	
Oneonta.....	Otsego.....	1,112	18	15.6	-8.3	46	18	-24	13	41	1.91	-0.41	0.38	10.5	12	11	3	17	P. C. Picard.
Oxford.....	Chenango.....	916	47	14.4	-8.1	41	18	-27	13	36	2.40	-0.51	0.50	18.0	14	3	14	14	H. W. Lee.
Oyster Bay.....	Nassau.....	40	8	25.2	-	58	24	0	14	32	-	-	0.41	8	9	15	8	J. P. Davis.	
Port Jervis.....	Orange.....	470	28	16.6	-8.2	48	19	-26	14	36	1.19	-2.15	0.47	10.3	10	12	11	8	Prof. Thos. Colby.
Rome.....	Oneida.....	445	16	12.0	-8.0	41	19	-25	13	32	4.27	+0.81	0.45	-	16	-	-	-	John O'Mara.
Scarsdale.....	Herkimer.....	1,526	15	8.4	-10.3	36	19	-23	14	32	2.89	-0.11	0.71	23.0	10	12	11	7	Joseph Ryan.
Selkirk.....	Westchester.....	200	8	20.8	-	52	23	-10	12	35	2.05	-	0.75	12.0	10	13	11	7	C. H. Wilmarth.
Setauket.....	Suffolk.....	40	27	24.2	-6.5	52	23	-2	13	36	2.48	-1.48	1.21	7.2	10	13	12	6	Sealab B. Strong.
Sherburne.....	Chenango.....	5	-	-	-	-	-	-	-	1.83	-	0.33	15.4	9	8	2	21	E. B. Collins.	
Southampton.....	Suffolk.....	36	11	24.4	-6.5	50	9	0	13	31	3.11	-1.00	1.16	6.4	12	9	17	5	W. L. Jagger.
Southeast Reservoir.....	Putnam.....	310	7	-	-	-	-	-	-	2.15	-1.54	-	-	-	-	-	-	Thomas Manning.	
South Edmeston.....	Otsego.....	1,300	0	13.0	-	44	18	-36	13	43	4.05	-	0.31	17.0	15	12	10	9	F. H. Bilderbeck.
Spier Falls.....	Saratoga.....	400	11	11.3	-	40	19	-24	26	35	2.09	-	0.65	25.0	9	9	16	6	Geo. E. Fifield.
Trenton Falls.....	Oneida.....	751	9	-	-	-	-	-	-	2.64	-	0.52	-	16	-	-	-	C. W. Young.	
Utica.....	do.....	537	46	-	-	-	-	-	-	2.47	-0.73	0.56	-	11	-	-	-	W. E. Young.	
Wading River.....	Suffolk.....	112	6	23.6	-	52	23	-9	14	38	2.66	-	1.20	11.5	11	15	8	8	W. L. Jagger.
Wappingers Falls.....	Dutchess.....	110	22	17.4	-7.6	44	19	-25	13	40	1.75	-2.12	0.30	17.5	10	14	10	7	Thomas Manning.
Warwick.....	Orange.....	538	18	-	-	-	-	-	-	1.58	-1.04	0.40	14.0	8	-	-	-	H. C. Townsend.	
Waverly.....	Tioga.....	824	30	16.2	-7.6	50	18	-26	13	43	1.00	-1.30	0.18	6.9	14	4	16	11	John W. Sly.
Wells.....	Hamilton.....	1,000	6	9.3	-	37	19	-35	26	48	2.31	-	0.62	18.0	9	6	9	16	J. F. Shoemaker.
West Berne.....	Albany.....	946	13	12.2	-9.3	51	19	-26	14	36	-	-	14.0	14.0	9	6	9	Vernon E. Dewey.	
West Point.....	Orange.....	167	63	19.8	-10.7	48	19	-15	13	35	-	-	14.0	9.0	18	7	6	W. Y. Haverly.	
Windham.....	Greene.....	1,520	12	14.8	-8.0	52	18	-25	14	47	1.76	-0.49	0.60	11.5	9	8	19	U. S. Military Academy.	
<i>Pennsylvania.</i>																			A. R. Mott.
Altoona.....	Blair.....	1,181	24	22.9	-3.4	53	19†	-9	14	28	0.76	-1.83	0.32	8	-	-	-	C. W. Billin.	
Bethlehem.....	Northampton.....	260	11	20.0	-9.2	46	19	-16	14	28	1.16	-2.48	0.40	7.4	4	11	0	20	Prof. E. C. Roest.
Clearfield.....	Clearfield.....	1,107	4	17.0	-	48	19	-34	13	45	1.65	-	0.40	15.5	12	10	5	9	Raymond C. Ogden.
Drifton.....	Luzerne.....	1,633	14	14.5	-11.0	42	23	-14	14	31	2.55	-0.57	0.50	21.7	15	17	5	9	Eckley B. Coxe, jr.
Emporium.....	Cameron.....	1,050	23	15.4	-10.8	51	18	-31	13	38	2.38	-0.85	0.53	12.3	14	15	5	12	T. B. Lloyd.
Everett.....	Lancaster.....	384	12	20.1	-8.9	51	23	-21	14	35	1.48	-1.52	0.41	11.3	10	12	10	9	W. L. Frantz.
George School.....	Bedford.....	1,050	14	19.4	-8.5	50	23	-25	14	40	1.21	-1.65	0.48	8.3	7	3	18	10	B. L. Steckman.
Gettysburg.....	Adams.....	600	38	20.7	-7.8	51	23	-20	15	50	2.94	-0.93	0.43	26.0	11	12	7	12	N. W. Swayne.
Gordon.....	Schuylkill.....	804	8	16.9	-	46	19†	-25	14	43	1.91	-	0.43	1.52	11	12	7	12	Col. E. B. Cope.
Hamburg.....	Berks.....	330	16	22.8	-5.9	48	22	-20	15	50	2.94	-0.93	0.63	20.5	8	15	2	14	Capt. J. G. Johnson.
Harrisburg.....	Dauphin.....	361	24	21.2	-7.5	48	23	-14	14	52	1.88	-0.94	0.58	12.2	9	16	10	15	W. J. Kalbach.
Huntingdon.....	Huntingdon.....	650	24	19.4	-9.2	49	23	-28	13	46	1.4								

MONTHLY WEATHER REVIEW.

JANUARY, 1912

TABLE 1.—Climatological data for January, 1912. District No. 1—Continued

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<i>New Jersey.</i>																			
Atlantic City.....	Atlantic.....	16	39	25.8	-6.7	56	23	-1	13	36	3.92	+ 0.52	1.46	11.7	13	8	10	13	nw.
Bayonne.....	Hudson.....	50	22	23.2	-6.9	52	19	-6	13	26	2.11	- 2.02	0.97	11.3	14	8	11	12	w.
Belvidere.....	Warren.....	289	22	20.0	-7.5	46 ^a	23	-15	14	29 ^a	2.02	- 1.73	0.66	9.5	13	9	9	13	Samuel J. Hixson.
Bergen Point.....	Hudson.....	37	15	22.8	-7.4	52	19	-4	13 ^t	26	2.36	- 2.06	1.02	12.0	15	7	13	11	Dr. Wm. H. Mitchell.
Boonton.....	Morris.....	413	22	25.1	-7.8	57	23	-8	28	43	2.16	- 2.04	0.74	18.2	14	11	8	13	Foster Peer.
Bridgeton.....	Cumberland.....	30	31	25.2	-7.8	57	23	-8	28	43	2.80	- 0.94	1.25	13.0	11	8	13	10	Henry A. Jorden.
Burlington.....	Burlington.....	12	26	24.8	-7.8	57	23	-8	28	43	3.17	- 0.37	0.83	16.4	14	8	12	11	D. S. B. McCoy.
Canton.....	Salem.....	24	18	24.6	-7.5	48	23	-2	13	37	3.73	+ 0.23	1.31	13.2	13	10	10	11	John H. Maskell.
Cape May City.....	Cape May.....	17	34	26.6	-7.5	48	23	-2	13	37	3.69	+ 0.32	1.28	11.9	18	8	14	9	U. S. Weather Bureau.
Charlotteburg.....	Passaic.....	719	20	18.8	-8.3	43	23	-26	14	46	2.20	- 2.16	0.76	13.1	12	8	10	13	George S. Briggs.
Chatham.....	Morris.....	234	10	24.3	-6.6	54	23	-10	28	35	3.10	- 1.40	1.10	11.3	13	7	7	6	M. A. Butler.
Clayton.....	Gloucester.....	126	19	24.3	-6.6	54	23	-10	28	35	4.62	+ 0.86	1.21	19.5	14	10	14	12	William R. Farley.
Culver's Lake.....	Sussex.....	848	11	18.1	-5.3	46 ^a	23	-21	14	40 ^a	2.02	- 2.47	0.52	12.0	10	7	11	13	Brice E. Riker.
Dover.....	Morris.....	600	28	21.3	-7.3	55	23	-9	14	30	2.61	- 1.08	0.56	14.0	13	8	9	14	U. S. Weather Bureau.
Elizabeth.....	Union.....	33	33	22.0	-8.1	50 ^a	23	-2	13	26 ^a	2.67	- 1.43	1.05	14.6	12	8	11	11	William C. Harris.
Flemington.....	Hunterdon.....	187	24	22.0	-7.6	50	23	-18	14	35	1.97	- 1.50	0.63	12.8	11	8	16	7	William M. Oliver.
Haddonfield.....	Camden.....	75	25	23.6	-6.4	55	23	-9	14	33	2.68	- 0.73	0.79	18.7	14	7	18	6	Hiram E. Deats.
Hammonton.....	Atlantic.....	103	14	21.2	-7.2	55	23	-9	14	33	4.15	+ 0.20	1.64	16.7	13	12	12	Charles F. Richardson.	
Hightstown.....	Mercer.....	119	20	23.2	-7.7	55	23	-9	14	30	2.17	- 1.90	0.94	11.6	14	8	12	11	Orville Bassett.
Highwood.....	Bergen.....	90	25	21.4	-7.5	50	23	-14	13	34	2.17	- 1.90	0.94	11.6	14	8	12	11	Ernest Wenger.
Indian Mills.....	Burlington.....	76	23	21.2	-7.2	58	23	-11	14	32	3.76	+ 0.06	1.05	19.5	16	7	13	11	Charles J. Bates.
Jersey City.....	Hudson.....	15	14	23.4	-7.4	51	19 ^t	-4	13	28	2.24	- 1.62	0.90	11.9	15	7	13	11	James Armstrong.
Lakewood.....	Ocean.....	54	10	24.0	-7.4	55	23	-7	13	36	2.80	- 0.71	0.61	15.2	16	7	12	12	Ralph Robertson.
Lambertville.....	Hunterdon.....	95	25	22.4	-8.0	53	23	-19	14	30	2.13	- 1.61	0.56	11.0	12	9	10	12	William R. Bowe.
Layout.....	Sussex.....	550	13	15.8 ^d	-8.2	45 ^d	23	-32	14	44 ^d	2.14	- 1.01	0.55	15.9	12	8	9	14	Warren C. Hursch.
Little Falls.....	Passaic.....	175	10	24.6	-5.4	49 ^t	19	-5	13	33	2.11	- 2.11	0.94	10.1	11	8	13	10	A. Sweetman.
Long Branch.....	Middlesex.....	30	5	24.6	-6.8	54	19 ^t	-6	13	33	2.85	- 0.83	0.93	15.5	14	10	12	9	Benjamin B. Bobbitt.
Newark.....	Essex.....	140	69	22.8	-6.8	50	19 ^t	-6	14	28	2.34	- 1.42	1.24	10.6	12	7	10	14	Prof. Wm. Wiener.
New Brunswick.....	Middlesex.....	61	59	21.8	-8.7	52	23	-13	14	32	2.73	- 1.03	1.14	14.1	12	8	12	11	George B. Thrasher.
Newton.....	Sussex.....	678	33	18.3	-7.4	43	23	-12	13 ^t	26	2.14	- 1.36	0.65	13.2	11	7	9	15	F. Vernon Losee.
Northfield.....	Atlantic.....	5	5	21.2	-7.2	55	23	-9	14	30	3.56	- 0.83	1.53	8.3	12	8	10	13	William L. Flick.
Paterson.....	Passaic.....	80	41	23.1	-6.3	52	23	-7	14	28	2.02	- 2.04	0.90	10.7	11	8	10	13	Hebe A. Probert.
Phillipsburg.....	Warren.....	363	22	19.8	-8.1	47	19	-12	14	33	1.98	- 1.67	0.78	12.2	13	9	10	12	D. W. Smith.
Plainfield.....	Union.....	100	26	22.0	-7.4	52	23	-10	14	32	2.88	- 1.01	1.15	14.2	12	7	11	13	John Neagle.
Pleasantville.....	Atlantic.....	26	14	21.2	-7.6	55	23	-8	18	28	4.02	+ 0.2	1.38	12.7	12	7	12	12	Lincoln Van Gilder.
Pompton Plains.....	Morris.....	195	10	21.7	-7.0	51	19	-5	13	30	2.51	- 1.83	0.82	11.0	14	8	12	11	M. S. Taylor.
South Orange.....	Essex.....	200	42	21.7	-7.0	51	19	-5	13	30	3.17	- 0.97	1.18	16.5	12	7	11	13	Dr. William J. Chandler.
Sussex.....	Sussex.....	442	22	18. ^b	-8.1	43	19 ^t	-24 ^t	14	35 ^a	1.73	- 1.88	0.55	11.0	12	8	9	14	George Dymock.
Trenton.....	Mercer.....	60	41	24.6	-8.3	50 ^a	23	-8	13	31 ^b	3.21	- 0.31	0.75	15	8	15	8	15	Paul H. Wendel.
Tuckerton.....	Ocean.....	23	19	24.7	-7.0	58	23	-5	13	34	4.08	+ 0.42	1.12	14.7	15	7	11	13	Frank R. Austin.
Vineland.....	Cumberland.....	118	43	24.4	-7.6	55	23	-8	18	28	3.38	- 0.39	1.02	14.2	14	9	11	11	Alfred Chalmers.
Woodbine.....	Cape May.....	43	21	26.2	-6.2	54	23	-5	8	43	3.51	- 0.14	1.41	11.8	13	8	11	12	W. S. Tarbox.
<i>West Virginia.</i>																			
Bayard.....	Grant.....	2,500	10	20.4	-7.9	53	1	-30	13	54	3.41	- 1.91	0.43	24.5	16	5	9	17	Solomon Clark.
Burlington.....	Mineral.....	875	17	22.8	-8.1	57	19	-27	13 ^t	51	1.50	- 1.22	0.40	14.0	7	2	23	6	J. W. Vandiver.
Franklin.....	Pendleton.....	5	5	22.6	-9.0	50	17 ^t	-14	14	36	1.86	- 1.66	0.45	14.0	7	10	10	11	Fred Calhoun.
Lost City.....	Hardy.....	435	21	21.6	-9.0	53	23	-19	14	42	1.66	- 0.75	0.45	15.0	8	15	9	15	B. D. Hinegardner.
Martinsburg.....	Berkley.....	15	21	25.6	-6.9	60	22	-20	14	36	1.27	- 1.36	0.30	11.0	6	2	19	10	G. W. Van Metre, C. E.
Moorefield.....	Hardy.....	900	15	25.4	-6.9	60	22	-20	14	36	1.27	- 1.36	0.30	11.0	6	5	8	12	John C. Fisher.
Romney.....	Hampshire.....	824	16	20.7	-10.7	54	23	-10	14	39	1.14	- 1.65	0.30	1.5	5	8	12	10	John C. Linnithcum.
Upper Tract.....	Pendleton.....	1,230	14	24.4 ^a	-7.6	56 ^a	1	-19 ^t	13	43 ^a	1.10	- 1.63	0.35	5.0	5	0	16	15	J. M. Mallow.
<i>Maryland.</i>																			
Annapolis.....	Anne Arundel.....	45	40	26.4	-8.0	59	23	-3	14	31	3.06	- 0.32	0.96	18.6	9	14	0	17	U. S. Naval Academy.
Baltimore.....	Baltimore.....	115	25	26.8	-7.6	59	23	-2	14	25	2.63	- 0.59	0.73	13.9	11	5	12	14	U. S. Weather Bureau.
Cambridge.....	Dorchester.....	25	14	27.7	-7.6	59	1	-5	14	37	4.40	+ 1.30	0.70	22.2	11	8	13	10	T. E. Keenan.
Cheltenham.....	Prince George.....	230	12	24.8	-9.2	58	23	-16	14	38	3.45	- 0.00	0.70	16.6	9	10	6	15	George Hartnett.
Chestertown.....	Kent.....	80	80	26.7	-5.7	56	1	-7	14	37	3.72	+ 0.58	1.05	21.0	11	9	10	12	M. W. Thomas.
Cheswerville.....	Washington.....	530	15	20.2	-10.4	51	23	-27	13	40	1.62	- 1.02	0.52	11.5	7	9	16	6	D. Paul Oswald.
Clear Spring.....	do.....	650	15	19.8	-9.6	52	23	-16	14	31	2.58	- 0.70	1.00	24.8	8	14	10	7	W. W. Frantz.
Coleman.....	Kent.....	80	14	25.2	-5.8	58	24	-6	14	27	2.56	- 0.73	1.15	13.5	9	15	5	11	J. S. Harris.
College Park.....	Prince Georges.....	170	24	24.0	-9.0	60	23	-26	14	52	2.77	- 0.23	0.60	17.5	10	16	6	9	Prof. H. J. Patterson.
Cumberland.....	Allegany.....	700	38	22.4	-8.1	52	23	-13	14	31	2.37	- 0.80	0.59	13.0	11	7	18	6	J. W. Frantz.
Darlington.....	Harford.....	300	20	22.4	-8.1	52	23	-13	14	31	2.37	- 0.80	0.59	16.0	12	8	15	7	Prof. A. F. Galbreath.
Denton.....	Caroline.....	42	17	25.8	-7.2	56</													

TABLE 1.—*Climatological data for January, 1912. District No. 1—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelated.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Delaware.</i>																				
Delaware City.....	New Castle.....	10	10	24.5	.....	54	23	— 4	28	34	1.67	.....	0.35	11.1	11	14	7	n.	H. Morton Price.	
Dover.....	Kent.....	40	24	26.3	— 8.2	56	23	— 2	13†	32	4.05	+ 0.93	1.97	18.0	8	13	9	nw.	Thos. F. Dunn.	
Milford.....	do.....	20	28	27.8*	— 8.2	58*	1†	— 1*	14	28*	4.18	+ 1.06	0.90	18.0	12	18	5	nw.	Chas. J. Holzmueller.	
Millsboro.....	Sussex.....	20	20	27.0	— 7.4	59	1	— 3	8†	55	3.49	+ 0.46	0.92	13.0	12	18	8	sw.	Rev. L. W. Wells.	
Seaford.....	do.....	40	21	27.0	— 7.1	59	1	— 4	14	39	4.01	+ 0.94	0.86	19.5	11	13	10	nw.	E. B. Brown.	
<i>District of Columbia.</i>																				
Washington.....	Dist. of Columbia.....	112	41	25.0	— 7.9	58	23	— 13	14	33	2.82	— 0.55	1.02	16.9	12	5	9	17	n.	U. S. Weather Bureau.
<i>Virginia.</i>																				
Culpeper.....	Culpeper.....	450	4	24.6	.....	54	23	— 20	14	35	2.05	.....	0.67	17.0	8	9	14	8	nw.	Col. H. C. Burrows.
Dale Enterprise.....	Rockingham.....	1,350	33	22.9	— 10.0	55	23	— 25	14	44	1.83	— 0.87	0.40	14.0	10	10	12	9	sw.	Rev. L. J. Heatwole.
Eastville.....	Northampton.....	15	2	33.4	— 2.0	61	1	— 8	13	40	4.39	+ 0.85	1.00	8.8	13	6	12	13	ne.	T. B. Robertson.
Fredericksburg.....	Spotsylvania.....	100	23	27.5	— 8.5	61	23	— 11	14	40	2.34	— 0.59	0.64	10.8	10	8	12	11	nw.	S. G. Howison
Lincoln.....	Loudoun.....	500	11	21.6	— 9.5	56	23	— 25	14	39	2.48	— 0.50	0.76	14.0	5	3	16	12	nw.	Dr. George Roberts.
Mount Weather.....	do.....	1,726	8	20.2	— 7.1	51	18	— 9	13	34	2.14	— 1.16	0.64	16.7	10	9	9	13	nw.	U. S. Weather Bureau.
Onancock.....	Accomac.....	20	1	30.8	.....	57	19	3	8	41	3.69	.....	0.88	8.0	11	13	1	17	nw.	S. F. Rogers.
Quantico.....	Prince William.....	16	15	25.6	— 7.4	60	23	— 16	14	36	2.66	.....	0.70	12.8	8	10	6	15	nw.	Rich. Frdksbg. & Pot. R. R.
Staunton.....	Augusta.....	1,380	20	27.0	— 8.2	57	23	— 12	14	38	1.90	— 0.88	0.66	8.5	9	9	14	8	sw.	Ernest Notnagel.
Warsaw.....	Richmond.....	160	20	27.2	— 8.9	65	19	— 10	13	35	3.05	+ 0.41	1.00	12.0	9	10	12	9	n.	C. H. Constable.
Woodstock.....	Shenandoah.....	927	16	23.8	— 9.1	58	23	— 22	14	37	1.69	— 0.68	0.46	13.5	9	16	6	9	w.	Mrs. A. G. Artz.

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for January, 1912. District No. 1, North Atlantic States.*

TABLE 2.—*Daily precipitation for January, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for January, 1912. District No. 1—Continued.*

TABLE 2.—*Daily precipitation for January, 1912. District No. 1—Continued.*

Stations.	Watershed.	Day of month.																														Total.				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
<i>West Virginia.</i>																																				
Bayard	Potomac	.25	.10	.05	T.	.20	.25	.30			.23																						.34			
Burlington		.20									.40																							1.50		
Franklin		do																																		
Harpers Ferry ^{II}		do									T.	.31																						2.01		
Lost City		do									.20	.30																						1.86		
Martinsburg		do									.10																							1.65		
Moorefield		do									.20	T.	T.																					1.27		
Romney ^{II}		do									T.	T.	T.																					1.14		
Upper Tract		do									T.	.20	.10																					1.10		
<i>Maryland.</i>																																				
Annapolis	Coast	.13	.04	.02	T.	T.	.30	.40	T.		.16	.80																					3.06			
Baltimore		do									.25	.26	T.	.12	.54	T.	T.	T.	T.	T.													2.63			
Cambridge		do									.50	.28	.16	T.	.60																		4.40			
Cheltenham		do									.45																								3.45	
Chestertown		T.									.18																								3.72	
Chewsville	Potomac	.08	T.	T.							.07	.52	T.	.24	.25	T.	T.	T.	T.	T.												1.62				
Clear Spring		do									.20																								2.58	
Coleman		do									.10																								2.56	
College Park		do									.16																								2.77	
Cumberland		do									.03																								1.54	
Darlington	Coast	.18									.10	.65	T.	.20	.03																			2.75		
Denton		do									.12	T.	T.	.28	.15	.23																	2.37			
Easton		do									.16																								3.44	
Eminitsburg	Potomac	.10									.15																								2.17	
Fallston		do									.13																									2.75
Frederick	Potomac	.02	T.	.17	T.	T.	.11	.48	.12	T.	.41																						2.44			
Frostburg		do									.20																								2.15	
Great Falls		do									.06																								2.31	
Green Spring Furnace.		do									.10																								1.52	
Keedysville		do									.01	.08	T.	.10	.33	.20																	1.87			
Lake Montebello	Coast	T.	.15								.25	.35		.02	.40		T.	T.															2.57			
La Plata		do									.25	T.																							2.25	
Laurel		do									.05																								2.30	
Leonardtown		do									.21	.20	.06																					1.90		
Monrovia	Potomac	.20									.05	.25																						1.50		
Pocomoke City	Coast		.31								.08	.26	.08																					3.84		
Porto Bello		do									.20	.40	.10																					2.16		
Princess Anne		do									.04	T.	T.	.35	.48	.13	T.	.05														3.27				
Rockville	Potomac	.15									.21																								2.32	
Salisbury	Coast	T.	T.								.50	.10	.30																					3.65		
Solomons		do									.30	.32		.02	.32		.18	.02														2.78				
State Sanatorium	Potomac	.05	T.	.07	T.	T.	.20	.37	.18	T.	.30	T.	T.																		2.01					
Sudlersville		do									.18																								3.78	
Tokoma Park		do									.38																								2.62	
Taneytown		do									.30	.24																						1.72		
Towson		do									.14	T.	.13	.20	.18																		2.27			
Van Bibber		do									.10																								3.21	
Westport	Potomac	.02	T.	.05			.05				.65																							1.42		
Westminster	Coast		.60	.50							.20																							2.95		
Woodstock		T.	T.	.11							.08	.22																						2.24		
<i>Delaware.</i>																																				
Delaware City	Coast	.08									.25	.05	.03																					1.67		
Dover		do									.30	.10																						4.05		
Milford		do									.24	.07	.54																					4.18		
Millsboro		do									.35	.30	.27																					3.49		
Seaford		do									.06	T.	.41	.22	.33																		4.01			
<i>District of Columbia.</i>																																				
Washington	Coast	.16	.06	T.		T.	.12	.35	.01		.18	.26			T.		T.	T.	.21													2.82				
<i>Virginia.</i>																																				

TABLE 3.—Maximum and minimum temperatures for January, 1912. District No. 1, North Atlantic States.

Date.	Maine.												Concord, N. H.	Massachusetts.								Connecticut.						
	Eastport.		Greenville.		Orono.		Portland.		Presque Isle.		Rumford, Falls.			Amherst.		Boston.		Middle- boro.		Nantucket.		Provi- dence, R. I.		Cream Hill.		Hartford.		
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1....	39	22	28	6	35	10	36	16	28	5	34	14	35	24	34	22	38	24	37	27	45	31	37	26	28	18	36	23
2....	33	12	25	-4	35	6	35	21	15	-8	28	5	36	11	35	8	40	25	37	4	38	29	36	19	31	14	38	17
3....	36	23	23	5	33	14	34	20	.....	7	30	7	35	16	35	15	40	27	39	26	39	32	40	25	33	18	36	22
4....	23	16	14	2	34	8	21	15	.....	22	10	28	13	32	16	27	21	28	20	37	30	28	19	32	15	31	20	20
5....	30	16	14	6	22	8	20	12	.....	20	7	19	7	18	7	25	12	26	8	30	13	21	9	22	3	24	8	
6....	26	-4	11	-17	23	2	12	1	.....	4	-9	7	-4	7	-3	13	-3	14	4	15	7	11	2	3	-7	9	1	
7....	0	-11	-9	-22	8	-22	2	-5	.....	2	-13	9	-8	12	-10	1	10	-5	16	7	12	-1	13	-7	13	1		
8....	22	-8	5	-25	7	-23	32	-4	.....	10	-14	20	-13	17	-7	35	8	21	-10	42	13	39	3	10	4	25	0	
9....	46	16	29	2	44	2	45	12	21	-5	29	10	32	10	30	9	46	13	51	19	50	16	50	11	31	39	10	
10....	16	1	8	-4	20	2	15	7	13	3	13	7	15	2	18	10	19	8	20	15	16	8	10	0	17	6		
11....	4	-3	-2	-12	21	-10	13	2	13	-15	4	-4	13	1	18	1	19	9	19	7	23	15	17	8	12	18	6	
12....	0	-7	-4	-16	8	-12	5	-2	1	-20	2	-8	5	-5	5	-2	12	3	14	5	23	14	11	3	7	-2	9	3
13....	0	-12	-9	-20	6	18	8	-5	-2	-25	0	-12	5	-11	10	-14	11	-5	9	-8	16	5	9	-6	-2	-17	9	-5
14....	28	-6	13	-20	10	-22	19	-7	5	-25	16	-18	19	-20	12	-19	25	-1	22	-22	35	16	26	-6	20	-13	15	-12
15....	35	28	28	5	34	8	34	16	22	15	30	15	31	15	32	12	35	22	36	14	47	33	32	23	33	20	35	15
16....	35	16	27	12	34	23	32	17	22	11	28	14	25	12	18	8	27	10	32	12	33	16	23	10	23	-2	21	6
17....	24	7	23	-1	25	7	23	8	15	-3	22	9	25	9	22	-3	28	10	26	8	36	15	27	8	30	1	26	10
18....	39	20	24	11	26	11	34	22	25	2	30	15	33	23	36	21	44	27	40	25	42	33	43	27	38	30	40	24
19....	48	24	36	21	46	26	44	22	27	20	38	18	48	17	45	16	53	26	52	38	48	27	53	21	45	22	50	20
20....	24	8	21	-5	46	-1	22	11	-10	17	-10	22	0	24	11	26	17	38	14	27	20	26	15	22	5	25	13	
21....	26	12	21	-6	34	-3	24	13	15	-10	16	-2	26	0	32	9	34	21	36	11	37	25	34	20	25	9	34	17
22....	27	16	19	2	34	3	31	16	.....	26	-2	32	11	34	12	36	24	35	13	37	28	37	24	35	18	37	22	
23....	23	3	12	1	27	11	29	9	.....	18	10	29	23	38	25	46	31	49	26	46	34	50	34	36	21	48	34	
24....	7	-1	2	-6	13	-10	14	3	18	-10	10	2	26	5	30	14	34	14	45	22	37	21	34	17	31	24	35	17
25....	5	-6	-1	-15	12	-22	13	-1	.....	8	-10	12	-7	18	-2	19	8	26	8	21	15	22	9	24	6	19	10	
26....	8	-8	3	-25	6	-30	12	-7	6	-23	10	-21	14	-19	14	-12	16	5	20	-2	23	13	18	5	14	-1	18	5
27....	8	0	-1	-32	8	-27	6	0	0	-36	11	-20	15	-5	22	4	18	6	18	11	26	12	19	9	15	5	21	7
28....	5	-4	0	-16	8	-14	14	0	3	-18	8	-3	14	-2	22	-8	20	5	20	2	20	8	20	3	16	-2	19	4
29....	15	-4	13	-10	15	-14	17	4	12	-20	22	-1	18	7	18	8	30	16	26	14	34	20	30	17	20	6	21	15
30....	27	14	16	10	20	11	24	15	18	3	24	15	26	16	28	18	30	19	33	23	35	32	31	20	28	15	28	21
31....	25	22	22	14	27	18	27	21	24	18	31	16	31	18	31	16	32	25	29	20	24	18	30	22	26	22	30	22
Mean	22.1	6.5	13.3	-5.1	23.3	-1.5	22.5	8.1	.....	18.1	0.7	22.7	4.9	24.0	5.6	28.7	14.0	28.6	10.8	32.6	20.0	28.4	13.0	22.9	7.0	26.6	11.6	

Date.	New York.												Everett.	Pennsylvania.								Atlantic City, N. J.						
	New Haven, Conn.		Addison.		Albany.		Bingham- ton.		Indian Lake.		Little Falls.			New York.		Harris- burg.		Philadel- phia.		Scranton.		State Col- lege.		Wellsboro.				
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1....	36	26	41	26	35	25	39	21	31	18	33	24	38	03	30	27	40	28	43	32	37	37	23	39	40	25	46	29
2....	38	17	38	11	32	17	35	13	30	7	32	12	39	26	37	12	35	20	41	29	39	15	32	15	35	9	43	27
3....	40	27	32	12	31	17	28	10	27	9	29	15	35	28	33	18	34	26	37	30	30	21	28	7	37	28		
4....	33	22	31	4	24	14	29	6	25	-5	20	7	34	21	35	17	33	20	35	26	34	16	29	6	36	25	25	
5....	28	11	27	3	23	6	17	3	22	-10	20	3	28	8	30	0	20	5	29	9	21	6	24	0	27	1	32	8
6....	12	3	10	-6	6	-3	4	10	-29	6	-17	15	5	10	-2	13	6	18	9	9	2	7	-3	8	-6	17	8	
7....	16	4	15	1	9	-5	13	-3	7	-18	5	-12	21	7	14	-1	18	7	23	9	17	4	9	5	13	-0	28	11
8....	34	7	17	-8	26	-2	34	-5	10	-5	15	-5	46	11	12	5	26	7	42	10	32	5	14	-1	15	-8	47	11
9....	41	12	38	6	31	12	40	5	27	-4	28	7	46	10	27	5	27	10	43	14	41	7	23	3	35	4	44	14
10....	18	7	9	1	17	8	15	3	9	2	10	2	21	7	26	4	28	9	29	12	19	4	17	3	23	3	31	12
11....	20	8	14	2	16	4	15	4	0	10	-4	9	23	12	19	11	20	13	25	15	17	9	18	4				

TABLE 3.—Maximum and minimum temperatures at selected stations, January, 1912. District No 1—Continued

Date.	New Jersey.								Martinsburg, W. Va. [§]	Maryland.								Millsboro, Del.	Washington, D. C.		Virginia.								
	Bridgeton.		Hightstown.		Phillipsburg.		Sussex.			Baltimore.		Darlington.		Frederick.		Westernport.				Fredericksburg.		Staunton. ^{§§}		Woodstock.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		Max.	Min.	Max.	Min.	Max.	Min.					
1....	45	30	37	30	35	21	37	28	36	31	50	31	46	30	40	30	48	27	59	30	49	29	56	34	44	33	51	31	
2....	45	20	41	17	35	11	37	7	36	20	40	28	37	19	36	20	36	28	47	21	42	22	41	20	39	20	44	18	
3....	37	26	39	21	33	20	32	19	36	20	36	31	34	27	35	28	32	28	37	31	36	31	39	31	34	21	36	18	
4....	36	21	36	18	32	18	34	14	36	25	38	25	32	19	33	18	30	30	39	26	36	25	41	25	39	22	40	23	
5....	33	9	29	9	27	5	23	8	11	9	25	7	28	6	30	5	30	3	32	8	28	6	36	11	11	7	31	5	
6....	20	7	15	5	13	3	10	2	14	3	16	7	13	3	15	4	13	0	20	7	16	6	19	4	12	— 1	12	0	
7....	29	10	23	8	18	5	19	1	19	3	24	12	21	10	21	11	21	10	30	3	25	12	30	11	29	9	28	5	
8....	40	—3	28	2	37	4	13	1	1	29	3	34	9	25	2	15	4	17	3	52	—3	25	11	23	5	30	4	12	4
9....	47	20	45	17	36	8	34	1	19	10	33	15	34	14	25	13	33	8	52	19	29	17	30	16	26	12	32	11	
10....	32	10	25	7	20	5	21	1	36	9	34	9	28	1	30	1	35	12	34	11	37	6	38	3	37	10	41	8	
11....	29	14	24	10	20	7	23	9	23	9	25	15	27	8	30	11	25	12	28	18	23	17	38	18	35	25	33	14	
12....	23	12	21	9	16	0	18	4	15	14	18	8	20	10	21	14	23	14	28	13	19	7	27	11	22	15	19	10	
13....	12	—2	12	—7	13	—6	14	—10	9	—5	11	0	12	—6	14	—13	19	—17	15	2	8	—8	11	1	13	—2	13	—8	
14....	23	—2	21	—9	15	—12	11	—24	11	—19	20	—2	18	—13	10	—21	16	—15	27	—3	20	—13	13	—11	26	—12	15	—22	
15....	31	12	35	17	31	8	33	9	27	—15	30	12	27	11	26	8	27	8	33	19	27	11	27	12	32	17	29	6	
16....	24	5	27	1	15	0	25	—2	16	4	18	6	22	2	18	4	17	2	19	6	19	7	27	—2	23	3	20	2	
17....	30	7	29	5	26	8	24	8	33	4	31	8	26	26	11	29	5	33	4	38	8	38	—2	43	11	30	5		
18....	49	26	47	25	42	26	41	—	45	27	43	24	42	27	40	23	51	19	48	34	53	35	49	35	46	14			
19....	50	33	52	37	47	20	43	—	45	27	49	25	44	31	42	27	38	23	54	30	49	26	52	39	48	38	46		
20....	34	18	37	14	27	13	28	9	31	15	29	22	32	15	30	14	35	15	32	19	30	21	39	18	33	22	35	14	
21....	42	17	38	14	35	14	34	11	39	14	41	23	37	15	39	15	42	21	44	20	43	18	47	18	43	25	46	17	
22....	47	20	40	22	42	20	36	21	50	20	52	29	40	21	47	20	54	25	52	23	54	26	57	29	54	28	52	24	
23....	57	29	55	32	44	32	43	32	53	28	59	37	52	32	53	30	56	37	57	35	58	38	61	39	57	35	58	37	
24....	45	29	43	29	38	19	41	21	40	33	46	28	46	30	43	31	45	31	47	29	43	27	57	34	46	42	49	34	
25....	30	18	29	15	34	13	22	10	30	23	32	23	31	26	32	22	39	24	32	19	32	20	46	19	41	25	40	17	
26....	24	17	20	11	18	12	18	4	25	23	24	19	26	16	29	21	29	24	28	23	26	20	33	22	26	25	29	19	
27....	30	18	28	15	25	10	32	20	34	20	29	17	32	18	35	21	32	12	34	15	33	21	40	22	37	18			
28....	28	—8	26	0	23	7	25	—1	27	12	28	13	25	1	28	4	32	5	32	—3	28	7	33	13	30	19	23	12	
29....	35	20	33	18	25	20	23	16	35	14	34	29	32	19	31	22	32	23	40	21	33	23	33	23	34	25	32	21	
30....	35	28	34	25	32	22	32	21	35	27	36	30	33	27	35	29	37	23	35	30	35	30	36	32	42	31	36	27	
31....	35	25	33	20	30	20	31	20	29	25	32	27	31	21	33	24	31	20	35	26	32	26	35	25	30	22	30	22	
Mns..	34.7	15.7	32.3	14.1	28.2	11.4	27.4	8.6*	29.8	13.5	33.1	18.4	30.7	14.2	30.5	14.6	32.4	15.4	37.3	16.6	33.0	16.9	37.1	17.9	34.5	19.0	33.7	14.0	

^a, ^b, ^c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.[§] Data are from standard instruments not supplied by the U. S. Weather Bureau.^{§§} Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.